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- Mindermengenzuschlag
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Recombinant Human Frizzled-7 protein (His tag)

Catalog Number:PDEH100402



Note: Centrifuge before opening to ensure complete recovery of vial contents.

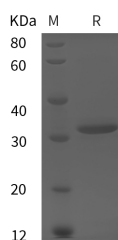
Description

Synonyms	Frizzled-7;FZD7;
Species	Human
Expression Host	E.coli
Sequence	Gly31-Arg250
Accession	O75084
Calculated Molecular Weight	24.1 kDa
Observed molecular weight	32 kDa
Tag	C-His

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	Please contact us for more information.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

Frizzled-7 is a member of the Frizzled family of unconventional G-protein-coupled glycoprotein receptors for the Wnt signaling pathway. The Wnt genes encode a large family of glycoproteins that are essential in development and tissue maintenance. Like other Frizzled family members, Frizzled-7 contains a divergent N-terminal signal peptide (amino acid (aa) 1 - 32), a highly conserved extracellular cysteine-rich domain (CRD, aa 44 - 169), a variable-length linker region (aa 170 - 256), a seven-pass transmembrane region (aa 257 - 549), and a variable-length C-terminal cytoplasmic domain (aa 550 - 574) (1 - 3). The CRD, which comprises the binding site for Wnts and other ligands such as Syndecan 4 and fibronectin, spans about 130 amino acid residues and contains ten invariant cysteine residues.

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